SHIP SYSTEM	SUBSYSTEM	MRC CODE
Elect Plant General 300		R-

SYSTEM	EQUIPMENT	RATES	M/H
Power Distribution System 320	Ventilation Motors and Controllers	GS-11/12	80.0

TOTAL M/H
80.0
ELAPSED TIME

MAINTENANCE REQUIREMENT DESCRIPTION
1. Conduct SEMAT assessment procedure for Ventilation motors and controllers..

SAFETY PRECAUTIONS
1. Forces afloat comply with NAVOSH Program Manual for Forces Afloat, OPNAVINST 5100.19 series.
2. Ensure all tag-out procedures are in accordance with current shipboard instructions.

TOOLS, PARTS, MATERIALS, TEST EQUIPMENT

TEST EQUIPMENT
1. [3087] Multimeter, AC/DC, 20K/VDC, SCAT-4245, Simpson 260/6XLP

MATERIALS
1. [1144] Tag, safety
2. [2277] Pad, writing paper
3. [2278] Pencil

TOOLS
1. [0263] Puller, fuse, 5 IN
2. [1027] Pliers, slip joint, 6", regular nose, style A
3. [1350] Tape, measuring, 3/8" steel, 100 FT, hand crank
4. [1462] Wrench, adjustable, 6" heavy duty, 0.760" jaw open
5. [2271] Flashlight, Type 3, style 1, explosive proof
6. [3886] Screwdriver, flat tip, 6"
7. Knife, pocket, electrician
8. Rule, folding, 6' NSN 5210-00-293-3511

NOTE: Numbers in brackets can be referenced to Standard PMS Materials Identification Guide (SPMIG) for stock number identification.

PROCEDURE
NOTE 1: Accomplish during SEMAT .

NOTE 2: Number of man-hours assigned is average for DD-Class ships, and may require adjustment for larger class ships.

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LOCATION	DATE
	August 1997

PAGE 1 OF 2

87

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MAINTENANCE REQUIREMENT CARD (MRC)
OPNAV 4790 (REV. 2-82)

PROCEDURE (Contd)

Preliminary

a. Obtain a copy of Ships Compartment and Access plan to assist assessment.
b. Obtain a copy of Ships Repair Inspection Requirements (RIR) sheets for reference during this assessment.
c. Review JSN's from the Ship's CSMP for discrepancies to be assessed under this procedure.

1. **Conduct SEMAT Assessment Procedure for Ventilation Motors and Controllers.**

NOTE 3: The assessments are accomplished while equipment is under normal load and causes no disruption to the operating routine.

WARNING: Ensure all tag-out procedures are in accordance with current shipboard instructions.

a. De-energize ventilation motors and controllers and tag "Out of Service."
b. Assess controllers as follows:
   (1) Assess cabinet for missing, loose and damaged or deteriorated fasteners, standoff assemblies, grommets, and self-locking nuts. Assess enclosure for damage such as dents, warping of doors and corrosion. Assess seals and gaskets for damage and signs of leaking. Assess ground straps, terminal boards for loose mountings and connections, corrosion, cracks, and signs of overheating.
   (2) Assess electrical connectors and terminal/grounding lugs for loose connections, corrosion and indications of cold solder joints. Assess wiring harness hinges for mechanical damage from use of access doors. Assess cables and wires for signs of deterioration, such as cuts, burns, fraying, brittleness and unauthorized modifications.
   (3) Assess nameplates for legibility.
c. Assess motors as follows:
   (1) Assess end bells and stator frame for deterioration and damage to metal structure. Assess protective covers and screens for cleanliness and damage. Assess nameplates for legibility. Assess terminal box for cleanliness and damage and motor end bells for grease cups.
   (2) Assess unit mounting for loose or missing fasteners or foundation bolts.
   (3) Verify ground straps are installed and are in good condition, where applicable.
   (4) Verify that cable is properly banded/harnessed and is not damaged and cable penetrations and packing are tight and properly installed.
   (5) Remove safety tags and energize equipment.
   (6) Verify correct rotation of motor.

2. **Record all discrepancies identified on applicable SEMAT discrepancy forms (2-K or Material Assessment Form).**

PAGE 2 OF 2
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